BENGALURU SOLID WASTE MANAGEMENT LIMITED

TENDER DOCUMENT – KW4

Name of Work:-

"BIOMINING OF LEGACY WASTE AT SWM LANDFILL SITE, MANDUR PHASE-2, BANGALORE".(Call-2)

BENGALURU SOLID WASTE MANAGEMENT LIMITED

CE & CGM(Tech) BSWML
(BSWML), 1st Floor, UNI Building, Thimmaiah Road,
Bengaluru– 560 052.

Phone No: 7676299997

TENDERS FOR THE WORK OF

BIOMINING OF LEGACY WASTE AT SWM LANDFILL SITE, MANDUR PHASE-2, BANGALORE.(Call-2)

TENDER REFERENCE	:	No: CE&CGM(TECH)(BSWML)/TEND/11-KW-4/24-25 Dated: 21.09.2024
LAST DATE AND TIME FOR RECEIPT OF TENDER	:	**30.09.2024** upto **16:00** Hrs.
PLACE OF OPENING OF COVER ONE OF TENDER	:	CE & CGM(Tech) BSWML 1st Floor UNI Building Thimmaiah Road Vasanth Nagar Bangalore - 560052
TIME AND DATE OF OPENING OF TENDER	:	on 01.10.2024 **at 16.30 hours.**
PLACE OF OPENING OF TENDER	:	
Address for Communication		CE & CGM(Tech) BSWML 1st Floor UNI Building Thimmaiah Road Vasanth Nagar Bangalore - 560052

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SECTION 1: INVITATION FOR TENDERS (IFT)

No:CE&CGM(TECH)/BSMWL/Tend/11-kw4/2024-25

CE&CGM(Tech)
1st Floor UNI Building Thimmaiah Road, Vasanth Nagar Bangalore – 560052.
Date:21-09-2024

INVITATION FOR SHORT TERM TENDER (IFT)

(Through **GOK KPPP Portal** only)

Restricted tender for Pre-qualified Bidders

1. The CE & CGM(Tech), invites tenders on behalf of the Managing Director, BSWML, Bengaluru from eligible Pre-Qualified Tenderers (Those who were pre-qualified in the PQ Tender are only eligible to bid) for the work as detailed in the table below. The tenderers may submit tenders for work given in the table through kpp portal of the Government of Karnataka (viz https://kppp.karnataka.gov.in). The Tenderers are advised to submit the bid as per the tender document.

2. Tender documents may be downloaded from the kpp portal of the Government of Karnataka from 21.09.2024.

3. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for 90 days beyond the validity of the tender.

4. Tenders must be submitted online through kpp portal on or before 16.00 hours on 30.09.2024 and the opening of tenders will be as per the kpp portal guidelines.

5. Other details can be seen in the tender documents.

Sl. No.	Name of the package	Approx. Amount put to tender (Rs. in crores) (Excluding GST)	EMD	Period of Completion
1	BIOMINING OF LEGACY WASTE AT SWM LANDFILL SITE, MANDUR PHASE-2, BANGALORE .(Call-2)	79.67	Minimum of Rs. 1.00 Lakh through e-payment under of the following i.e., online / RTGS / NEFT / OTC & Rs. 78.70 Lakhs and the balance by Bank Guarantee/FDR issued by Nationalized/Scheduled Bank	24 Months (Including monsoon period)

Time Schedule/Calendar of events:

1	Tender documents may be downloaded from the kpp portal	:	From 21.09.2024
2	Last Date & Time for uploading tender documents	:	On 30.09.2024 upto 16:00 Hrs

NOTE:

1. Any corrigendum/addendum will be published in the Kpp portal only.
2. Financial Bids will be opened on the website https://kppp.karnataka.gov.in in the office of the CE & CGM(Tech), BSWML on 01.10.2024 **at 16.30 hours.**
3. Aspiring Bidders/Contractors who have not registered in kpp portal should register before participating through the website https://kppp.karnataka.gov.in
4. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.
5. All the required information required for Bids must be filled and submit online.
6. For details, registration and e-payment visit GOK kpp portal website https://kppp.karnataka.gov.in or contact kpp portal Helpdesk at 080 – 22441076.

Sd/-
CE&CGM(Tech)
BSWML

Copy Submitted to the:

1. Personnel Secretary to Additional Chief Secretary, UDD for kind information.
2. Personnel Assistant to Managing Director, BSWML to bring into the notice of Managing Director, BSWML.
3. Chief Executive Officer, BSWML for kind information.
4. Chief Operation Officer, BSWML, for kind information.
5. Chief Engineer & Chief General Manager (Tech), BSWML, for kind information
6. The District Tender Bulletin Officer and the Deputy Commissioner, Bengaluru Urban District with a Request to publish the same in the District Tender Bulletin.
7. CAO / Chief Auditor for kind information.
8. I. T. Advisor with a Request to publish the same in the BSWML Website.
9. Office Copy.

CE&CGM(Tech)
BSWML

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

1.1 **The CE & CGM(Tech), BSWML** (Referred to as Employer in these documents) invites tenders following Prequalified tenderers procedure, from eligible PQ Tenderers, for the construction of works (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka / BSWML

2.2 **Tenders Prequalified from KW-6 are acceptable.**

3. Qualification of the Tenderer: (Deleted since the PQ Qualification is done in KW-6 with JV Allowed)

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information**. (Deleted)**

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years (i.e. 2018-19 to 2022-23). **(Deleted)**

(d) The Tenderer or his identified sub-contractor should possess required valid electrical license for executing building electrification works and should have executed similar electrical works totaling Rs..... in any one year;[1] **(DELETED)**

(e) The Tenderer or his identified sub-contractor should possess valid license for executing water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works totaling Rs…… in any one year;[2] **(DELETED)**

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning critical equipment and at least 50% of the required/specified key equipment for this work and the remaining 50% can be deployed on lease/hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished. **(DELETED)**

[4]Updated to the FY in which the tenders are invited. Financial turnover of previous years shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.

[5]Specify the works which will be accepted as similar works

[6] Updated to the FY in which the tenders are invited. The value of the completed works shall be given a weight of 10% per year to bring them to the price level of the FY in which the tenders are invited.

(b) Liquid assets and /or availability of credit facilities of not less than **Rs** (Credit lines/ letter of credit/ certificates from banks for meeting the fund requirement etc. **(Deleted)**

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts. **(Deleted)**

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above. **(Deleted)**

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)

Where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated to* **2022-2023** *price level)* taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at **2022-2023**price level, of existing commitments and on-going works to be completed during the next **11 months (Deleted)**

Note: ***<u>The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.</u>***

3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification. **(Deleted)**

4. One Tender per Tenderer:

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer's participation to be disqualified. **(Deleted)**

5. Cost of Tendering:

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6. Site visit:

6.1 The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

7.1 The set of tender documents shall have all the Sections given in Page 2:
7.2 Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source. **(Deleted)**

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at **(Deleted)**
8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage **(Deleted)**
8.2.3 The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than **3 days before the meeting. (Deleted)**
8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting. **(Deleted)**
8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer. **(Deleted)**

9. Amendment of Tender documents

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

9.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

C. Preparation of Tenders

10. Documents comprising the Tender

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

10.1.1 First Cover:

(a) Earnest Money Deposit;

(b) Qualification Information as per formats given in Section 3; **(Deleted)**

10.1.2 Second Cover:

(a) The Tender (in the format indicated in Section 4)

(b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract. **(Deleted)**

11. Tender prices

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line-item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

11.3 All duties, taxes, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates **exclusive of GST,** prices and total Tender Price submitted by the Tenderer. **(The tenderer shall quote the rates exclusive of GST)**

11.4 The rates and prices quoted by the Tenderer shall be subject to adjustment during the performance of the Contract in accordance with the provisions of Clause of the Conditions of Contract

12. Tender validity

12.1 Tenders shall remain valid for a period not less than One Hundred and eighty (180) days after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

13. Earnest money deposit

13.1 a) EMD amount is Rs.79.70 Lakhs (Minimum of Rs. 1.00 Lakh through e-payment under of the following i.e., online / RTGS / NEFT / OTC & Rs. 78.70 Lakhs and the balance by Bank Guarantee/FDR issued by Nationalized/Scheduled Bank)

b) Fixed Deposit Receipt (FDR) subject to the following condition

- Maturity date of FDRs issued by the Bank should be beyond the date expected date of finalization of the tender.

Earnest money deposit will have to be in any one of the forms as specified in the Tender document and as per circular PWD:15:ITC:2008/2009 Dated:02-12-2010 (Minimum of Rs.1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee/FDR issued by Nationalized/Scheduled Bank and shall have to be valid for 90 days beyond the validity of the tender).

13.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 90 days **beyond** the validity of the tender.

13.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

13.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.

13.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The earnest money deposit may be forfeited:

(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;

(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or

(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to

(i) sign the Agreement; or

(ii) furnish the required Security deposit

14. Format and signing of Tender

14.1 Tenderer shall submit the Bid electronically before the submission date and time published in kppp portal.

D. Submission of Tenders

15. Sealing and marking of tenders

15.1 Tenderer shall submit the Tender document electronically before the submission date and time published. The document for submission shall be uploaded in PDF format and submitted in the order mentioned below.

Note:-

1. The Tenderer shall access Tender Documents, fill them and submit the Completed Tender Document as stated in Clause 10 through Website of e – Procurement itself (www.kppp.karnataka.gov.in). The Signed, Sealed and Scanned Copy of all the Documents as stated in Clause 10 shall be attached to the e – Tender Document, failing which the Bid will not be considered. It is the Responsibility of the Tenderer to submit all the Documents pertaining to Eligibility Criteria / Qualification Information with due diligence. All the Pages of the Document shall be serially numbered with an Index for ready reference.
2. No Physical Documents shall be considered. However, all the participating Tenderers shall produce all the Original Documents for Verification whenever asked by the Employer.

16. Deadline for submission of the Tenders

16.1 Tenders must be received by the Employer at the address specified above upto 16:00 hours at 30.09.2024 In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

17. Late Tenders

In online kppp portal system, you shall not be able to submit the Tender after the Tender submission time and date as the icon or the task in the kppp portal will not be available.

18. Modification and Withdrawal of Tenders

16.3 Tenderer has all the time to modify and correct or upload any relevant document in the portal till tender submission date and time, as published in the kppp portal. In kppp portal the Contractor has the option of withdrawing the Tender by digitally signing to withdraw/cancel Tender before the Tender submission time/date.

E. Tender opening and evaluation

19. Opening of First Cover of all Tenders and evaluation to determine qualified Tenderers:

19.1 The Employer will open online the First Covers of all the Tenders received through e-procurement portal, in the presence of the Tenderers or their representatives who choose to attend on the date and the place specified in the kppp portal. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day. **(Deleted)**

19.2 The Employer will evaluate and determine whether each tender (a) meets the eligibility criteria defined in ITT Clause 2; (b) is accompanied by the required earnest money deposit as per stipulations in ITT Clause and (c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.[3] **(Deleted)**

20. Opening of Second Cover of qualified Tenderers and evaluation:

The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open online the Second Covers of qualified Tenderers at the appointed time and date (as indicated in the kppp portal) in the presence of the Tenderers or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day. **(Deleted)**

21. Process to be confidential

21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

22 Clarification of Tenders

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24. **(Deleted)**

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer's Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers' Tender.

23. Examination of Tenders and determination of responsiveness

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender;

(a) has been digitally signed; **(Deleted)**

(b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

24. Correction of errors

The Tenderer may modify the tender only before the last date for submission of the tender, as indicated on the kpp portal.

25. Evaluation and comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23. **(Deleted)**

25.2 - Deleted – (Since bids submitted online only)

25.3 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.4 The estimated effect of the price adjustment conditions under Clause 41 of the Conditions of Contract, during the implementation of the Contract, will not be taken into account in tender Evaluation **(Deleted)**

25.5 If the tender of the successful tenderer is seriously unbalanced in relation to the Employer’s estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analyses for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the performance security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful under the contract.

F. Award of Contract

26. Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been

determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

27. Employer's right to accept any Tender and to reject any or all Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

28. Notification of award and signing of Agreement

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security deposit

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works:

- Cash or
- Banker’s cheque/Demand draft, /Pay Order in favor of Managing Director, BSWML payable at Bangalore or
- **A Bank Guarantee in the form given in Section 10; or**
- **Special Small savings instruments pledged to Managing Director, BSWML / CE & CGM(Tech), BSWML**

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank.

29.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

30 Advance Payment and Security:

30.1 The Employer will provide an advance payment towards set up for the machineries on the contract price as stipulated in the Conditions of Contract, subject to the maximum amount as stated in the Contract Data.

31. Corrupt or Fraudulent practices

31.1 The BSWML requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BSWML:

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BSWML contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BSWML contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION (Deleted)

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration

_____

(Attach Copy)

Principal place of business:

_____

1.2 Total value of civil engineering construction …….
works executed and payments received in the last five years …….
(in Rs. Lakhs) Attach Certificate from Chartered Accountant …….
…….
…….

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of Employer	Descrip-tion of Work	Contract Number	Value of Contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of Actual date of	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

Year	Name of Work	Name of Employer	Quantity of work performed (cum)[4]			Remarks (Indicate contract reference)
			Cement Concrete	Masonry	Earthworks	

[4] Items of work for which data is requested should tally with that specified in ITT Clause 3

1.5 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Name And Address of Employer	Value of Contract (Rs. lakhs)	Stipulated period of completion	Value of works remaining to be completed (Rs. lakhs) Attach Certificates from Engineers – in- Charge	Anticipated date of completion
1	2	3	4	5	6	7	8

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. lakhs)	Stipulated period of completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed in clause 3.3a.

Item of Equipment	Requirement[5]		Owned	Owned and available		
	No.	Capacity		Number/ Capacity	Age/ condition	Remarks

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

[5] The item of equipment, required number and capacity should match with those specified in ITT Clause 3.3 (a)

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price.

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work (Attach certificates from the respective Employers.)
1	2	3	4

1.12 Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Description of the Works:
……
……
……..

Tender
To : ……..

Address ……..
……

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of …….. *[in figures] (*……..) *[in letters]*.[6]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs…….

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory:
_____

Name of Tenderer _____
Address: ----------
---

[6] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender

Letter of Acceptance

(letter head paper of the Employer)

…….[date]

To:

……

……[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated …… for execution of the ……..……

……

…….. *[name of the contract and identification number, as given in the Instructions to Tenderers]* for the Contract Price of Rupees ……..…….. …… (……) [amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs…….. within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to ..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Name of Agency

Issue of Notice to proceed with the work

(letter head of the Employer) …….(date)

To

……
……
…… (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of ……..…… (name of the work) a Tender Price of Rs……. , you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

(Signature, name and title of signatory
authorized to sign on behalf of Employer)

Agreement Form

Agreement

This agreement, made the …….day of ……20……..,
between……
……
…….[name and address of Employer]
(hereinafter called "the Employer") of the one part and
……
……...[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute
……
…… [name and identification number of Contract] (hereinafter called "the Works") and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   - i) Letter of Acceptance;
   - ii) Notice to proceed with the works;
   - iii) Contractos Tender;
   - iv) Contract Data;
   - v) Conditions of contract (including Special Conditions of Contract);
   - vi) Specifications;
   - vii) Drawings;
   - viii) Bill of Quantities; and
   - ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of
……
Signed, Sealed and Delivered by the said
……

……
in the presence of:
Binding Signature of Employer

……
Binding Signature of Contractor

…….

SECTION 5: CONDITIONS OF CONTRACT
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A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.
Compensation events are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body whose Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
Days are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.
Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.
Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) Any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting (Deleted)

7.1 Deleted.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or

(b) a cause due solely to the design of the Works, other than the Contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:

  (i) could not have reasonably foreseen; or

  (ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

    (A) prevent loss or damage to physical property from occurring by taking appropriate measures or

    (B) insure against such loss or damage

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;

(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and

(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of an insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

15. Queries about the Contract Data

15.1 The Employer will clarify queries on the Contract Data.

16. Contractor to construct the Works

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

18. Approval by the Employer:

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design of Temporary Works

18.3 The Employer's approval shall not alter the Contractor's responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

21. Possession of the Site

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. Access to the Site

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. Instructions

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

24. Procedure for resolution of Disputes:

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer’s decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer’s decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

B. Time Control

25. Program

25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

26. Extension of the Intended Completion Date

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

27. Delays ordered by the Employer

27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. Management meetings

28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

29. Identifying defects

29.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

30. Tests

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

31. Correction of defects

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer’s notice.

32. Uncorrected defects

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer's notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

D. Cost Control

33. Bill of Quantities (BOQ)

33.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

34. Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BSWML has to be obtained for the variation exceeding

.

35. Payments for Variations

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or

minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer's own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. Submission of bills for payment

36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

37. Payments

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed programme payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38. Compensation events

38.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.

(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.

(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.

(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer's Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer's own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

38.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

39. Tax

39.1 The rates quoted by the Contractor shall be deemed to be exclusive of GST and inclusive of other taxes that the Contractor will have to pay for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

40. Price Adjustment:
(As per the G.O. No.FD 3 PCL 2008, Bangalore, Dated:21.11.2008) & GO no791 Exp-12/2015 Dt 26/2/2016)

40.1 Contract price shall be adjusted for increase or decrease in rates and prices of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formulae given in the Contract Data.[29]

(a) The price Adjustment shall apply for the work done from the date of commencement up to the end of original period of completion or extensions granted by the Employer and shall not apply to work carried out beyond the stipulated period of completion for reasons attributable to the Contractor;
(b) Price Adjustment shall be admissible from the date of opening of tenders (original or extended)
(c) The price adjustment shall be determined during each quarter from the formulae given in Contract Data.
(d) Following expressions and meanings are assigned to the work done during the quarter:
R = Total value or work done during the quarter.it would include the amount of secured advance for materials paid for (if any) during the quarter, less the amount of this secured advance required during the quarter. It will exclude value fir works executed under variations for which price

adjustment (if any) will be workout separately based on the terms mutually agreed. It will also exclude the value of work done during the quarter which was programmed to be done prior to this quarter as per the work schedule in the agreement.

40.2 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other Clause in the Contract, the unit rates included in the contract shall be deemed to include amounts to cover the contingency of such other rise in costs.

41. Liquidated damages

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

42. Advance Payments: Refer Section 6: Contract Data

43. Securities:

43.1 The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

44. Cost of Repairs:

44.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

45. Completion

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

46. Taking over

46.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

47. Final account

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

48. As built drawings and /or Operating and Maintenance Manuals

48.1 If "as built" (*Completion drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

49. Termination

49.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

49.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;

(b) Deleted.

(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;

(d) Deleted.

(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;

(f) The Contractor does not maintain a security which is required;

(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and

(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.

For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

49.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

49.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

50. Payment upon Termination

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

51. Property

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor’s default.

52. Release from performance

52.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

F. Special Conditions of Contract

1. Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time.

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. Arbitration (Clause 24)

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties; failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)
(b) Arbitration proceedings shall be held at Bangalore, Karnataka state (to be filled in by the Employer before issue of the Tender Documents),
(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor should produce invoice for procurement of all materials along with bills. No payments will be made without such invoices.

7. The Contractor shall establish SCADA Monitoring system for all activities in the Bio Mining process to facilitate quality assurance of execution of works.

8. GST Shall be Paid to the Tendered Amount Separately.

9. Qty Executed Bill Copies (Paid Voucher).

10. SCOPE OF PRESENT WORK:

Upon execution of the Draft Contract, the Agency shall undertake following activities:

The total scope of work of the Agency includes the following major activities but not limited to Remediation & Reclamation of Dumpsite through Bio-mining Development

Remediation & Reclamation of Dumpsite through Bio-mining of legacy waste

1. Set up processing facilities to process existing legacy waste of BSWML in awarded site through Bio-mining, processing, resource recovery, disposal and handover reclaimed land within stipulated period
2. Provision, installation, operation and maintenance of plant, mechanical machineries, processing infrastructure facilities and amenities for excavation, sieving of the excavated MSW, storing the segregated materials, reuse, marketing, selling, and transporting them from the project site.
3. Provide adequate number of processing machines & manpower for achieving its daily target quantity of 2000 Metric Tons of Waste per day.
4. The Agency shall carryout Total Station/ Drone Survey (layout & contour map in Auto cad) of complete site including area earmarked in which Bio-mining is to be done. Survey maps (layout, contour etc.) shall be certified by PMC and BSWML Engineer-in-charge. The survey shall be done at the time of possession of the site as well as at the time of work completion.
5. Carry out necessary geotechnical surveys for considering the hydrological and flooding potential at sites, in order to mitigate any effect on the activities during Bio-Mining in terms of leachate run-off.

   The Agency shall conduct its own due diligence for site investigation, analyzing the characteristics, composition and quantum of the waste at the Project site.
6. The agency shall submit the Biomining Technology with which it is going to carry out processing and shall share the details of the equipment, machineries and vehicles and the same shall be approved by BSWML before commencement of work. Etc.,

7. The agency shall submit the Daily activity chart on how it will be processing legacy waste as per the designed capacity per day basis and also submit the activity chart with schedule on how it is going to achieve the project completion within stipulated time period agreed in the Contract.
8. The Agency shall ensure processing of the Legacy Waste in accordance with CPCB Guidelines for Disposal of MSW Legacy Waste (Old Municipal Solid Waste)-February 2019, KSPCB conditions /NGT Orders and applicable statuary norms and its amendments time to time for handling Legacy Waste and other applicable waste management rules.
9. The Agency shall take necessary steps and processes to minimize environmental pollution while carrying out remediation/ reclamation of legacy waste at the dumpsite.
10. The Agency shall take all reasonable steps to ensure that there is control of odour, dust and leachate, flies, rodents and bird menace and fire hazards in and around the dumpsite during the period of reclamation.
11. Set up an eco-friendly and non-polluting processing system in order to reduce the environmental impact of bio mining activities on the adjacent areas.
12. The Agency shall carry out baseline environmental survey of the site as per EMP and specification. Set a soil, air and ground water quality environment baseline record. Set a soil (in accordance with IS: 2720) and ground water baseline (in accordance with IS: 10500) so that the same will be available to evaluate post Bio- Mining and Remediation/ Reclamation of the dumpsites.
13. Monitor ground water quality, work zone air quality and ambient air quality monitoring within the site from authorized NABL accredited laboratories/agencies and submit the report on quarterly basis/ as per KSPCB conditions.
14. Monitor and measure noise levels at the site and isolate of the facility boundary and surrounding area.
15. Its Agency responsibility to take all Applicable Permits and approvals with the assistance of BSWML in sequence and comply with the CPCB and KSPCB norms therein from time to time.
16. Agency shall assist in all the necessary regulatory approvals taken by BSWML prior to the commencement of reclamation and remediation work.

17. The Electrical Connection will be arranged by Contractor at its own cost. The contractor must pay monthly bill at his own cost. In case of electricity failure, backup power supply arrangement shall be borne by contractor at no additional cost.

18. The portion of dumpsite shall be separated and earmarked. A minimum available vacant area will also be earmarked to set up their plant and machinery for segregation.

19. Carrying out the entire project work in accordance with the Detailed Plan of Action and schedule proposed by Bidder and approved by BSWML.

20. The Legacy waste shall be spread out in windrows for drying and bio-cultures shall be used in accordance to CPCB NGT-Legacy Waste Disposal Guidelines

21. Agency shall use on-site storage facility (repair if required) for various fractions recovered from processed Waste and take up Construction of temporary shed, platform and creation of facilities for handling, separating, segregating, storing and quantifying of the excavated MSW and processing material

22. The Agency shall make reasonable endeavors to maximize the utilization of the Waste from the site and for this purpose shall ensure maximum material is recovered by the Agency so as to produce products/outputs such as soil enricher/compost, recyclables, RDF and products etc as per applicable norms

23. Rejects to be stacked at an earmarked land as per instruction of Engineer – in- charge/ PMC in compliance to SWM 2016 Rules & shall be sent to nearby SLF. Not more than 10%-25% rejects of biomining shall be allowed to dispose based on the baseline and routine physical-chemical reports of dumpsite in consultation with Engineer – in- charge/ PMC. Record of the residual solid waste/ reject's disposal quantity shall be maintained by the Agency.

24. The agency should manage foul odour and leachate management. Due to history of the site it is utmost important to maintain the odour control and leachate management.

25. The agency shall transport the RDF to the dedicated facility after getting clearance from BSWML and RDF Receiving facility. And any other clearances which are required for completion of project.

26. While reclaiming and excavating MSW from the open dumpsite following aspects must be handled carefully

    a. Exposure to hazardous material, leachate, gases, odour etc.

    b. Contaminated wastes that maybe uncovered during reclamation operations require special handling and disposal requirements

    c. Precautions must be taken while excavating as it releases gases like methane, Sulphur dioxide and other gases which causes explosion and fire

27. The record of weighment of waste and also the rejects shall be maintained after measuring their weight in computerized weigh-bridge. All materials, recyclables going out of the site boundary and rejects stored separately have to be weighed and record to be maintained by the Agency.

28. Provide security arrangements for machineries, equipment etc. at the cost of the Agency.

29. Recovered C&D waste shall be the sole responsibility of the Agency to be disposed off in compliance with the norms & instructions as per the Engineer in Charge of BSWML.

30. Hazardous waste such as physical, chemical, biological, reactive, toxic, flammable, explosive or corrosive waste, if found, during excavation, sorting or segregation shall be handled as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

31. Handover any domestic biomedical waste if found during excavation, sorting/segregation to the nearest biomedical waste facility by the agency. This waste shall be handled as per Biomedical Waste Management Rules, 2016.

32. Agency shall provide adequate lighting system for easy operations in the working area as well as to the access ways. Provide utilities such as drinking water facilities and sanitary facilities (preferably washing/bathing facilities for workers) and safety provisions including health inspections of workers at site shall be carried out. Construction/Provision of temporary site office, water, power, sanitation facilities to workers as per statutory standards.

33. Agency shall provide fire protection measures and safety equipment for all workers at the site.

34. Agency shall make one entrance point and exit point into the Project Site from outside and inside. However, required emergency exits may be provided.

35. Agency shall Ensure adequate power back-up for smooth operation of the machinery and equipment installed including weighbridge with data storage facility (mandatory).

36. Agency shall Complete the work within the time period stipulated in the Contract.

37. Subject to terms and conditions in the Contract, at the end of the Term, the Agency shall vacate the dumpsite, as the case may be, along with its equipment and facilities used and handover the reclaimed area for the desired / planned purpose to the BSWML

38. Data of weighbridge shall be maintained properly for the entire contract period with backup server facility and shall be provided as & when required by Authority

39. Ensure use of only covered body vehicles for the transportation of materials at the cost of the agency

40. The Agency shall ensure that Authority is provided with adequate information of any event or any other matter affecting the Project Facilities to enable them to control/minimize any adverse consequences.

41. The Agency shall submit the Monthly progress reports with all the details like Daily waste processed, RDF transported, Inert transported to SLF etc., Agency shall incorporate daily waste processing achieved vs planed capacity

42. The frequency and formats for the reports to be submitted shall be finalized in consultation with the Authority. The following data should be included in the progress reports submitted by the Agency:

    a. Daily excavated waste quantity with extent of area reclaimed (By attaching copies of all technical surveys like Total Station Survey/Drone Survey/ Geo Technical).

    b. Quantity of waste reclaimed in each day including RDF, recyclable material, bio-soil, C&D and residual solid waste etc. as far as possible category wise.

    c. Leachate generation and management reports

    d. Inert and Product Quality test reports as and when made.

43. Milestones required to be achieved with in the given time frame are as mentioned below.

S.N.	Activity to be completed	Time Period for Completion
01	Statutory Clearances and Erection and Commissioning of the Plant	Three Months from the date of Work Order
02	To dispose of 30% of approved qty	Within 9 months of Signing of Agreement
03	To dispose of 70% of approved qty	Within 15 months of Signing of Agreement
04	To dispose of 100% of approved qty	Within 24 months of Signing of Agreement

Note:

However, if the quantity of waste is more, the Bidder shall be responsible for processing complete legacy waste for which contract period may be extended on pro-rata basis if entrusted by the BSWML upon approval of competent authority.

44. The bidder shall only set up the plant on BSWML's land for scientifically treating the legacy waste and operate it without any interest in land whatsoever. Such right of entry however shall be restricted to the plant and machinery set up by the Operator and shall under no circumstances be extended to the land. As specified above, there shall be no lease of land to the Operator and hence the question of creation of encumbrances on the land does not arise.

(a) Initial land requirement of the Operator to set up processing plant and machineries shall be made by the operator inside the existing dumpsite.

(b) If additional land is required for future expansion of the processing plant, the Operator shall use the land which is recovered (upto a maximum of 5 acres) with prior approval of BSWML.

Obligations of BSWML

(a) BSWML shall approve the Work Plan submitted by the Agency within a period of 15 (fifteen) days from the date of submission.

(b) Throughout the project period, BSWML shall ensure that fresh solid wastes generated in the city are not dumped within the site once handing over of the same is completed.

(c) The BSWML shall indemnify the agency against the baseline environmental conditions of the dumpsite in Mandur.

(d) The BSWML shall review a comprehensive final completion report of the project prepared by agency, after the project reaches a stage of substantial completion during the period of the contract. These reports shall be submitted immediately

after the completion of the work by the bidder and before taking over by BSWML. The report shall incorporate summary of the method of operation, the operation supervision performed, problems encountered, and solutions undertaken thereon. The agency shall summarize and consolidate project completion in a single report by incorporating all the key information of the entire operation of the project.

Terms of Payment

BSWML shall pay Processing Fee as mutually agreed rate quoted via e-procurement portal or as agreed in the contract agreement. based on the quantity of waste processed from the project site on per metric ton basis monthly, after obtaining recommendations/certification from PMC and Engineer in charge of BSWML

(i) Certification of Payments/Bills:

(a) Payment shall be made to the agency every month on the basis of weighment of net quantity of input waste processed from the Mandur dumpsite.

(b) Payment shall be made to the agency as per the Agreement by obtaining and submitting the bills, certificated from the in-charge engineer and PMC decided by the BSWML along with the certification of weighment slips & total station survey report showing the area and quantity(cum) of waste processed by agency.

(c) The bills submitted by the agency shall be reconciled by the BSWML before the final bill is submitted for payment.

(d) The payments to the agency shall be made on monthly basis as per the following formula:

Monthly Payment = {(Total quantum of Waste processed from the project site per month)*Approved Rate (as per Contract Agreement) per MT or cum}–Applicable Penalty–Mobilization Advance (if applicable)

(e) The Agency shall raise monthly invoice by the 7th of the subsequent month and submit to the BSWML.

(f) BSWML shall evaluate the submitted invoice/RA Bills and inform agency if any discrepancy or changes/modifications required.

(g) If any change/modification is prescribed by the BSWML in the submitted invoice/RA Bill, the agency shall revise the invoice/RA Bill within 7 (seven) working days since the receipt of intimation of such change/modification from BSWML.

(h) After recommendation for payment of the invoice/RA Bill amount from the BSWML and on subsequent approval from Competent Authority of

BSWML, the payment shall be released.

(ii) Penalty for Non-Compliance

Sl. No.	Description of Non-Compliance	Penalty Amount
1	Non-Compliance to, SWM Rules 2016, CPCB Guidelines 2019 on Legacy Waste and other Environmental Standards notified by regulatory authorities or as specified in the Contract.	Rs.5,000/-per Incidence per day till compliance is achieved.
2	Non provision/delay in provision of site facilities as per specifications.	Rs.5,000/-per Incidence per day till compliance is achieved.
3	Non-compliance of Safety Standards, use of Personal Protective Equipment by the Workers.	Rs.1,000/-per Incidence per day till compliance is achieved.
4	Failure to process minimum average specified quantity of legacy waste on a daily basis (Computed monthly) excluding the monsoon period as decided in the Workplan	Per day penalty = (Target Qty–Actual Qty)* 50% Approved Rate per MT of Legacy Waste processed from the Project Site

(iii) Penalty for Non-Compliance during Monsoon period

Operator shall ensure

i) All recovered materials shall either be stored under a temporary shed but not more than 20 days or disposed before the onset of monsoon

ii) No runoff of leachate during monsoon

Penalty of Rs.10,000/-per incidence per day till compliance is achieved in both the above cases

Annexure:

LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[7]

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract: **Clause Reference**

- The Schedule of Operating and Maintenance Manuals [48]
- The Methodology and Program of Construction [25]
- Site Investigation Reports [14]
- The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction. [25]

The Employer is:

Name: Managing Director [1.1]
Address: BSWML, Thimmaiah Road, Vasanth Nagar, Bengaluru-52.
Name of authorized Representative: CE & CGM(Tech), (BSWML),
1st floor, UNI Building Thimmaiah Road
Bengaluru - 560052

The name and identification number of the Contract is [1.1]

Bio mining of Legacy Waste at SWM Landfill Site, Mandur Phase-2, Bengaluru.(call-2)

The Works consist of Land fill activities

The start date shall be the date of issue of notice to proceed with the work. [1.1]

The Intended Completion Date for the whole of the Works is **24 months** with the following milestones [17, 26]

Milestone dates:
Physical works to be completed Period from the date of issue of Notice to proceed with the work

The Site Possession Date is:[8] **Date of work order** [21]

The Site is located at **MANDUR** [1.1]
and is defined in drawings

The Defects Liability Period. Not Applicable.
[31] N/A

Insurance requirements are as under: [13]

	Type of Cover	Minimum cover for Insurance[9]
(i)	Works and of Plant and materials	The sum stated in the Agreement (contract Value) plus 20%
(ii)	Loss or damage to equipment	Full replacement cost
(iii)	Loss or damage to property of Third Party	Full replacement cost
(iv)	Personal injury or death insurance (a) for Third Party[10]	5.00 Lakh each person
	(b) for Contractor's employees or labour	In accordance with the statutory requirements applicable to Karnataka minimum of Rs. 5.00 Lakh each person

Price Adjustment Formula;[11] [40]

R= Value of work as defined in Clause 40.1 of Conditions of Contract.

Adjustment for labour component:

(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

$V_L = 0.85 \times P_L / 100 \times R \times (L_i - L_o) / L_o$ Where,

V_L = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local labour;

L_o = The average consumer price index[39] for industrial workers for …….[40] Centre for the quarter preceding the date of opening of tenders as published by the Labour Bureau, Ministry of Labour, Government of India;

L_i = The average consumer price index for industrial workers for ……. Centre for the quarter under consideration as published by Labour Bureau, Ministry of Labour, Government of India

P_L = Percentage of labour component of the work

Adjustment for Cement Component:

[35] The period should depend up on the period required for testing of the work. In case of building it could be 12 months (passing of one rainy season); for pipe laying work, tanks, water retaining structures, the time required for testing; for canals, lining works, the passing of one monsoon or running of canal whichever is lower; roads and highways passing of one monsoon (12 months)

[36] Employer to specify as per requirement. Exclusions if any should also be specified.

[37] Specify an appropriate figure. For normal works it could be Rs.20 lakhs to cover 4 persons @Rs.5 lakhs each.

[38] The Formula has some normal components. It should be changed if need be to suit the nature of the work.

[39] The Index numbers are available in the web site http://labourbureau.nic.in/indtab.html

[40] Insert the name of center. The centers for which the indices presently available for Karnataka State are Bangalore, Belgaum, Hubli/Dharwad, Mercara. Chose the center nearest to the work for which tenders are invited.

K/W-4 Works/Open tender/Item Rate/>Rs.100 lakhs <1000 lakhs 36

(ii) Price adjustment for increase or decrease in the cost of cement component procured by the contractor shall be paid in accordance with the following formula.

$$V_C = 0.85 \text{ X } P_C /100 \text{ X R X } (C_i - C_o) / C_o \text{ , Where,}$$

V_C = Increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;

C_o = The all India average wholesale price index [41] for cement (Ordinary Portland Cement) for the quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India , New Delhi;

C_i = The all India average wholesale price index for cement (Ordinary Portland Cement) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_C = Percentage of cement component of the work

Note: For the application of this clause index of Ordinary Portland Cement [42] has been chosen to represent Cement Group

Adjustment for steel component:

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

$V_S = 0.85 \text{ X } P_S /100 \text{ X R X } (S_i – S_o)/S_o$ where,

V_S = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

S_o = The all India average wholesale price index for steel (M.S.Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

S_i = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

P_S = Percentage of steel component of the work

Note: For the application of this clause, index of M.S. Bars and Rods [43] has been chosen to represent steel group.

Adjustment of Bitumen Component:

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_B = 0.85 \text{ X } P_B/100 \text{ X R X } (B_i - B_o)/B_o \text{, Where}$$

V_B = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

B_o = The official retail price of bitumen at the IOC /HPCL/BPL or any other depot at …….[44] on the day 30 days prior to the date of opening of Bids.

B_i = The official retail price of bitumen at the IOC/HPCL/BPL or any other depot at ……. for the 15th day of the middle calendar month of the quarter under consideration.

P_B = Percentage of bitumen component of the work.

[41] The index number are available in the web site http://eaindustry.nic.in

[42] This may be changed to any other type of cement depending on the nature of work.

[43] This may be changed depending on the major type of steel used depending on the nature of work

[44] Insert the nearest location of POL Depot

Adjustment of Fuel and Lubricant component:

(v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

$$V_F = 0.85 \text{ X } P_F/100 \text{ X R X } (F_i - F_o)/ F_o \text{, Where,}$$

V_F = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

F_o = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at …….[45] on the day 30 days prior to the date of opening of Bids.

F_i = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at ……. for the 15th day of the middle calendar month of the quarter under consideration.

P_F = Percentage of Fuel and Lubricant component of the work.

Note: For the application of this Clause the price of HSD[46] has been chosen to represent Fuel and Lubricant Group

Adjustment for Plant and Machinery Spares Component:

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

$$V_P = 0.85 \text{ X } P_P/100 \text{ X R X } (P_i - P_o)/P_o \text{, Where}$$

V_P = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.

P_o = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_i = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_B = Percentage of Plant and Machinery Spares component of the work.

Note: For the application of this Clause index of Heavy Machinery and Parts has been chosen to represent the Plant and Machinery Spares Group.[47]

Adjustment for Other materials.:

(vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants[48], procured by the contractor shall be paid in accordance with the following formula:

$$V_M = 0.85 \text{ X } P_M/100 \text{ X R X } (M_i - M_o)/M_o \text{, Where}$$

V_M = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

[45] Insert the location of the nearest POL Consumer pump

[46] This could be appropriately changed to any other item depending on the nature of work.

[47] This could be appropriately changed to any other item depending on the nature of the work.

[48] Add, delete or change depending on the nature of work.

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M_o = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

M_i = The all India average wholesale price index for all commodities for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_M = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

The following percentages will govern the price adjustment for the entire contract:

1. Labour – P_L …….. %
2. Cement – P_C ……%
3. Steel – P_S ……%
4. Bitumen – P_B ……%
5. Fuel and Lubricants – P_F[51] ……%
6 Plant and Machinery Spares – P_P[52] …….%
7 Other materials – P_M …….%

TOTAL 100 %[53]

The liquidated damages for the whole of the works are Rs. 7,96,700/- per day and that for the milestones are as under:

For Milestone 1:	NA
For Milestone 2:	Rs. 2,65,567.00 per day
For Milestone 3:	Rs. 2,56,567.00 per day
For Milestone 3:	Rs. 2,56,566.00 Per day

The maximum number of liquidated damages for the whole of the works is Ten percent of final contract price. [41]

The amounts of the advance payment are: [42]

Nature of Advance	Amount (Rs.)	Conditions to be fulfilled
Mobilization	5% of the Contract price	On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period)

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions).

Repayment of advance payment for mobilization : [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or Three [12] months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

[13]The date by which "as-built"[14] **drawings (in scale 1:1000** [15]) in 2 sets are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

[16]The date by which Operating and Maintenance Manuals are required is within 30 days of issue of certificate of completion of Whole or Section of the Work as the case may be. [48]

[12] To be filled up by the Employer before issue of the tender document; say 'Three or four months'
[13] Score out whichever is not applicable.
[14] Completion drawings
[15] Specify an appropriate scale
[16] Score out which ever is not applicable.

The amount to be withheld for failing to supply "as built" drawings or supply of Operation and Maintenance Manuals by the date required is **Rs 50,000/-**
(The amount should be sufficient to get the completion drawings or operating and Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

The following events shall also be fundamental breach of the contract: [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing the Employer's Additional cost for completing the Works shall be 30 percent (30%) . [50.1]

(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)

SECTION 7: SPECIFICATIONS

As per specifications mentioned in Kpp portal and Section 5 F. Special Conditions of Contract

SECTION 8: DRAWINGS

1. **Attach the Topo Map of the Entire Mandur South Site**
2. **Attach Typical Set of the Entire Biomining Processing plant**

LEGEND

- BOUNDARY LINES
- MUD ROAD, DRAIN
- BOUNDARY POINTS
- BENCHMARK POINT
- POWER POLE, LAMP
- PIT LINES, TRANSFORMER
- CONT-MJR,MNR LINES
- SHED LINES

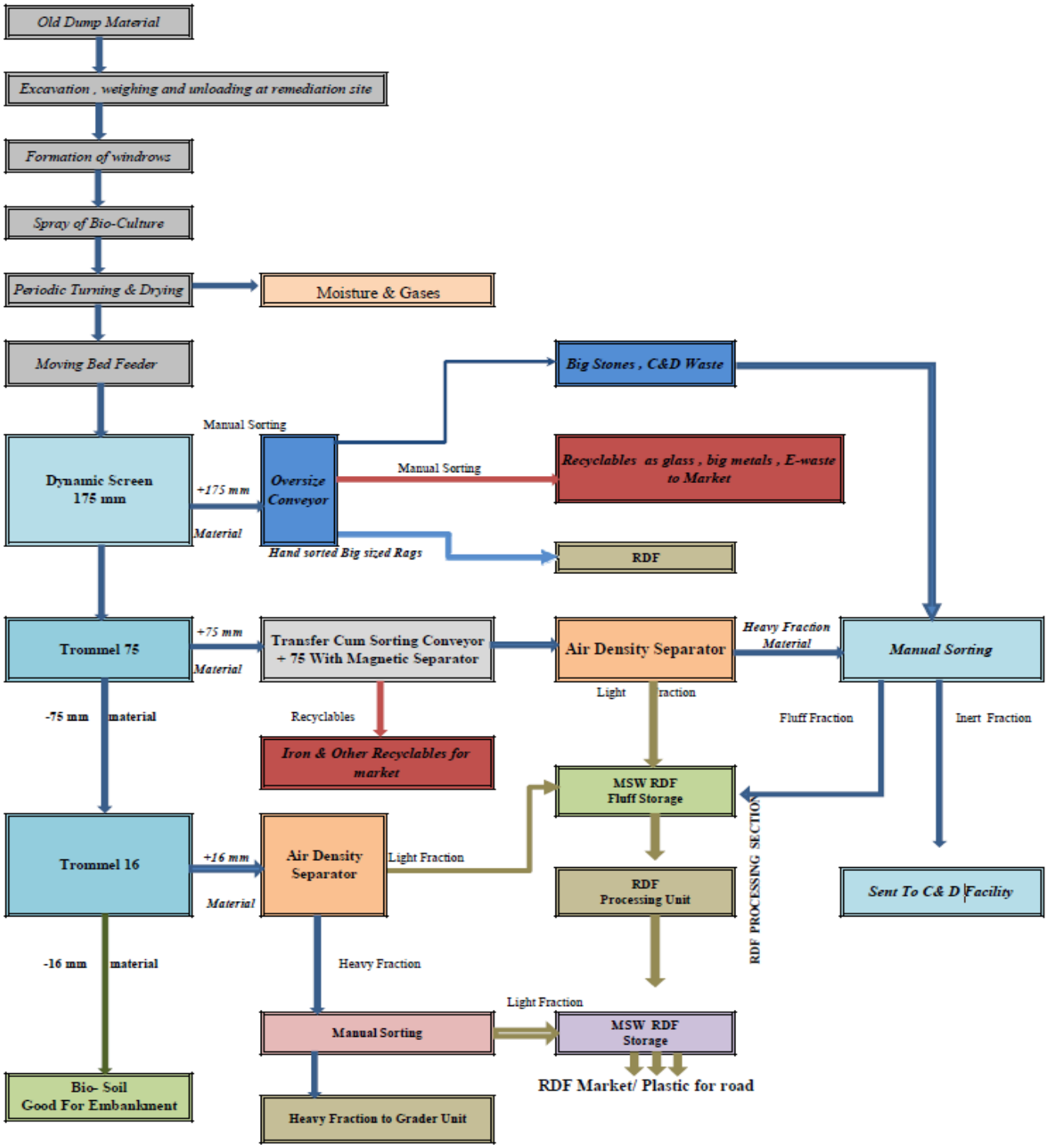
TF

TOTAL AREA STATEMENT

AREA	AREA IN SQUE	AREA IN SQFT	AREA IN ACRES GUNTAS
Survey	[illegible]	[illegible]	33 Acres 37.0000 Guntas

SURVEY CONSULTANT

AMRUTH SURV
Office No.#2,2nd Floor,4th Main
K C Krishna Reddy Layout Kithiganur B
Mobile:9066935675, 9481455812


Old Dump Material
Excavation , weighing and unloading at remediation site
Formation of windrows
Spray of Bio-Culture
Periodic Turning & Drying
Moisture & Gases
Moving Bed Feeder
Big Stones , C&D Waste
Manual Sorting
Dynamic Screen 175 mm
+175 mm
Material
Oversize Conveyor
Manual Sorting
Recyclables as glass , big metals , E-waste to Market
Hand sorted Big sized Rags
RDF
Trommel 75
+75 mm
Material
Transfer Cum Sorting Conveyor + 75 With Magnetic Separator
Air Density Separator
Heavy Fraction Material
Manual Sorting
-75 mm material
Recyclables
Iron & Other Recyclables for market
Light fraction
Fluff Fraction
Inert Fraction
MSW RDF Fluff Storage
Trommel 16
+16 mm
Material
Air Density Separator
Light Fraction
RDF Processing Unit
Sent To C& D Facility
RDF PROCESSING SECTION
-16 mm material
Heavy Fraction
Light Fraction
Manual Sorting
MSW RDF Storage
RDF Market/ Plastic for road
Bio- Soil Good For Embankment
Heavy Fraction to Grader Unit

SECTION 9:
BILL OF QUANTITIES

Sl No	Item of work	Unit	Quantity	Rate (in Rs.) Excluding GST
1	Bio mining of Legacy waste at the Mandur landfill site Mandur Phase-2 as per standard procedure of Bio Mining by deploying necessary equipment's such as Trammels/ Mechanical Machineries/ Equipment's/ Vehicles so as to process of minimum of 2000MTPD of legacy waste. The entire process of the Bio Mining work shall have a monitoring system through SCADA based computer control system. The work also includes after process of Bio Mining to transport the processed rejects such as Bio earth, Re-Cyclable, Inerts /RDF to the designated locations as per the destinations prescribed in tender documents/PQ Document and as per the lead included in tender documents/PQ Document. The cost shall include hire charges, fuel, labour, electricity water charges, transport charges (lead as per tender document/PQ Document) complete and as per Engineer-in-Charge directions. The activity shall also include management/treatment of leachate and control of emission of gases, control of any fire hazards etc complete including all other safety standard works complete. All activity shall be in compliance to SWM Rules 2016. The rate quoted shall be exclusive of GST.	MT	1106617.00	719.99

Note:

(a) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the bill of quantities (refer:ITB clause 11.2 and CC clause 37.2).

(b) Unit rates and Prices shall be quoted by the tender in Indian Rupees.

(c) Where there is a discrepancy between the rate in figures and words, the lower of the two will given. (ITT Clause 24.1(a))

(d) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall given (ITT Clause 24.1(b))

(e) GST shall be paid separately.

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: …….. *[name of Employer]*
…… *[address of Employer]*

WHEREAS ……. *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ……. dated: …… to execute ……..*[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ……. *[amount of guarantee]*[17]_Rupees……*[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of …… *[amount of guarantee]*[18] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____

[17] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

[18] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract